

ABSTRACT

In an elevator emergency stop device wherein emergency stop of the elevator cage (20) is achieved by generating frictional force at a sliding part (11) and guide rail (1) by pressing a sliding part (11) against guide rail 1 using a wedge-shaped element (3), in wedge-shaped element (3), the dimension in the direction perpendicular with respect to the sliding faces on the guide rail (1) and sliding part (11) is changed in accordance with the braking force.

10 An elevator emergency stop device can thereby be provided wherein the braking force is kept constant even though the coefficient of friction changes.